INDEX

Covering the Principal Subjects and Articles Which Appeared in Volume 19 of WIRE AND WIRE PRODUCTS From January to December, 1944, Inclusive

Annealing Salt Bath 733
Area of Wire Screen & Wire Cloth—How to Calculate 76
Barbed Wire Collection 178
Behavior & Control of Wet Wire Drawing Lubricants for Copper ..... By Robert C. Williams 771
Beryllium Copper Wire 169
Bort, Crushing of 482
Brass Mill Advisory Committee Report 781
Cable, Covering Weatherproof 835
Cable Splicing Rig 369
Cable Tension Meter 327
Calculating Wire Mill Problems—Device For 291
Cartridge Case Annealing 733
Cellulose Acetate Butyrate Tape As Primary Insulation for Wire & Cable ..... By H. E. Allen 37
Cleaninghouse Practice ..... By F. P. Spruance 671
Cleaninghouse Practices 358
Clutch Coupling by Rawson 120
Coatings for Rod & Wire 358
Cold Rolling of Narrow Strip and Its Equipment Requirements ..... By R. J. Wean 295
Compound—Jacket 692
Contract Termination Guide 560
Controls, Tension & Velocity 682
Copper, Wet Drawing Lubricants in Galvanizing Zincs & Galvanizing Baths ..... By Wallace G. Imhoff 353
Covering Weatherproof Cable ..... By Robert M. Harbeck 835
Decarburization Control With Nitrogen Gas Atmosphere in Alloy Steel Annealing ..... By Julius L. Kozma 227
Decarburization Research 230
Design Consideration for Square or Rectangular Wire Helical Springs ..... By A. M. Wahl 840
Development of Electric Heating For the Wire Industry By A. E. Bellis 174
Developing a Safety Program in Wire Mills By Robert H. Ferguson 655
Diamond Particles 481
Diamond Powders 479-547
Die, Diamond Die Research Committee 782
Die, Production Methods—British 550
Die Wire Drawing 23
Dies For Fine Wire 118
Dies Diamond-Handling of 582
Dies Diamond—10 Recommendations 554
Dies Sintered Carbide 543
Dies Tungsten Carbide 543
Discussion on Paper—"Drawing High Speed Rope Wire" 44
Discussion on Paper—"Hydrogen Brittleness in Spring Steels" 51
Discussion on Paper—"Use of Lead Base Coatings as Substitute For Zinc" 49
Discussion of Some of the Factors That Affect Welding in Ship Building ..... By R. O. Waldman 426
Drafting—Godet 241
Drawing Lubricants For Copper 771
Drawing of Synthetic Fibers ..... By Sidney Coppick 238
Efficiency Requirements in Purchasing By Thomas W. Fazakerley 54
Electric Equipment For Wire Drawing Machines By A. L. Thurman—Part I 420; Part II 488
Electrogalvanizing 646
Fibers—Drawing of Synthetic 238
Fine Wire Die Production in the United States By Winfield C. Moses 118
Fine Wire Drawing 650
Foreman's Part In Better Labor Relations By O. C. Cool 485
Furnaces—Salt Bath 174
Galvanizing Baths 353
Galvanizing—By Products of Hot Dip 115
Gauge Charts 324
Glass Processing Wire & Steel Products By J. J. Caugherty 299
Godet Drafting 241
Government Wire Production Information 57-122-179-243-308-365-433-493-559-703-785 & 846
Guide For Termination Of Government Contracts 560
Handling Of Diamond Dies 582
Helical Spring Design 840
History And Growth Of the Tungsten Carbide Die By A. R. Zapp 543
Hydrogen Brittleness In Spring Steels 51
Inspection Of Beryllium Copper Wire 170
Insulating Material, Plastic 664
Insulation Compounds—Synthetic 692
Insulation Tape—Cellulose Acetate Butyrate 37
Insulation "Irridite" Booklet 86
Knitted Covering For Cable 835
Labor Relations 485
Lead As Substitute For Zinc 49
Lubricant For Wet Drawing Copper 771
Making "Spring Grade" Beryllium Copper Wire By F. S. Stickney 169
Manufacture of Specialty Diameter Wire 505
Mathematical—How To Find Open Area Of Wire Screen And Wire Cloth 76
Mathematical—Device For Calculating Wire Mill Problems ..... By E. A. Webb 291
Metal Spraying 176
Monogas 228
Motors for Wire Drawing Machines 420-488
Navy, The, And the Wire Industry By Captain A. J. Wellings, USN 35
New Development In Plastic Insulating Material By Dr. John W. Shackelton 664
Outstanding Personalities Of the Wire Industry 55-132-186-316-370-436-498-564-714-783-856
Oven-Welding Rod 384
Patenting High Carbon Steel Rope Wire 635
Patents, A Recent Review of Wire 70-130-184-254-314-378-438-500-566-710-792-852
Physical Properties of High Carbon Steel Rope Wire As Affected By Variations In Patenting By H. J. Godfrey 635
Pickling 671
Polyethylene Plastics 503
Postwar Recommendations ..... By Frances Perkins 242
Purchasing Requirements For Efficiency 54
Rawson Centrifugal Clutch Coupling By J. A. Holbrook 120
Reappraisal of Electrogalvanizing By Ernest J. Lyons, Jr. 646
Report of Small Diamond Die Advisory Committee, Including An Analysis of British Die Production Methods 550
Research Of Surface Decarburization 230
Rod And Wire Coatings In the Cleaninghouse By Floyd M. Hauger 358
Rolling Equipment, Cold—For Narrow Strip 295
Rope Wire Advisory Committee 782
Rope Wire, Discussion 44
Rope Wire, High Carbon Physical Properties 635
Safety In Wire Mills 655
Salt Bath Annealing Of Brass Cartridge Cases 733

INDEX

Covering the Principal Subjects and Articles Which Appeared in Volume 19 of WIRE AND WIRE PRODUCTS From January to December, 1944, Inclusive

Salt Bath Furnaces 174
"Silvercote" Process 171
Sintered—Carbide Dies 543
Some Practical Facts About the By-Products Formed In Different Fields Of Hot-Dip Galvanizing By Wallace G. Imhoff—Part III 115
Some Problems Influencing the Drawing Of Fine Wire By H. P. Edinga 650
Spring Design—Square Or Rectangular 840
Spring Steels—Brittleness 51
Statistics—American Iron And Steel Institute 56
Steel—Tissue Thin For Transformers 382
Step Wire 505
Stretching the Life Of A Nail Machine Crankshaft—Through Metal Spraying .....By Jesse Copp 176
Strip—Cold Rolling—Narrow 295
Synthetic Insulation And Jacket Compounds By G. E. Rolston 692
Sub-Sieve Diamond Powders for Die Work By Paul L. Herz—Part I 479; Part II 547
Ten Recommendations For the Use Of Diamond Drawing Dies 554
Tension And Velocity Controls .....By J. H. Gepfert 382
Underwater Telephone Lines 198
Uses For Fine Steel Wire 121
Weatherproof Cable—Covering 835
Welding In Ship Building 424
Welding Rod Oven Design 384
Wet Drawing Copper-Lubricants 771
Wire Association Convention Program 1944 555-558
Wire Association Elects Officers 1944 306
Wire Association Los Angeles Meeting 441
Wire Association Medal Award For 1943 307
Wire Association Pittsburgh Regional Mtg. 364
Wire Association Proceedings 1943 43
Wire Association Convention 1944 Program 697-700
Wire Association Membership List 1944 701
Wire Association Annual Conv. 1944—Pittsburgh 773
Wire Association Questions And Answers: No. 2145—Lead Coating of Stainless Steel Wire.—No. 2144—Effect of Drawing On Tensile Strength Of SAE 1010 362
Wire Association Worcester Regional Meeting 321
Wire, Beryllium Copper 169
Wire Drawing Die .....By Flint C. Elder 23
Wire Drawing Fine 650
Wire Drawing In Scotland 259
Wire—Fine Steel Uses 121
Wire In Combat .....By Captain Roger C. Heimer 843
Wire Step 505
Wire Specialty Diameter 505
Wire Test And Specifications .....By G. K. Rylands 505
Wire Tissue Thin For Transformers 382
WPB Establishes Individual Awards Plan 134
Yarn—Properties 241

AUTHORS

Contributing the Leading Articles to WIRE AND WIRE PRODUCTS During the Year, 1944

ALLEN, H. W., Mgr., Industrial Sales,
Dobeckmun Company,
Cleveland, Ohio

BELLIS, A. E., President,
Bellis Heat Treating Co.,
Branford, Conn.

BROWN, R. E., Editor,
"Wire & Wire Products",
Stamford, Conn.

CAUGHERTY, J. J.,
Los Angeles, Calif.

COOL, O. C., Director,
Labor Relations Institute,
New York, N. Y.

COPP, JESSE, Supt. of Shops,
Continental Steel Corporation,
Kokomo, Ind.

COPPICK, SIDNEY, Acting Prof.
Forest Chemistry,
State College of Forestry of
Syracuse University,
Syracuse, N. Y.

DAVIS, JEWELL ROSS, Dir. Pub. Relations,
Northwestern Missouri State Teachers'
College, Maryville, Mo.

ELDER, FLINT C., Spec. Research Engr.,
American Steel & Wire Co.,
Cleveland, Ohio

EDINGA, H. P., Factory Manager,
Wire Division,
North American Philips Co.,
Dobbs Ferry, N. Y.

FAZAKERLEY, THOS. W.,
West Wickham,
Kent, England

FERGUSON, ROBERT H., Mgr. of Safety,
Republic Steel Corporation,
Cleveland, Ohio

GEPFERT, J. H., Division Manager,
Reeves Pulley Company,
Cleveland, Ohio

GODFREY, H. J., Devl. Engr.,
J. A. Roebling's Sons Co.,
Trenton, N. J.

HARBECK, ROBERT M., Engr.,
Fidelity Machine Company,
Philadelphia, Pa.

HAUGER, FLOYD M., Vice-Pres.,
Standard Industrial Compounds Co.,
Chicago, Ill.

HERZ, PAUL L., Tech. Adv. & Mgr.,
Belgian Tool Company,
Malines, Belgium

HOLBROOK, J. A., Asst. Supt.,
Washburn Shops,
Worcester Polytechnic Inst.,
Worcester, Mass.

HEIMER, CAPTAIN ROGER C.,
United States Coast Guard

IMHOFF, WALLACE G., President,
Wallace G. Imhoff Company,
Vineland, N. J.

KOZMA, JULIUS L., Projec. Engr.,
Lee Wilson Engineering Company,
Cleveland, Ohio

LYONS, ERNEST H., JR., Chf. Chem.,
The Meaker Company,
Chicago, Illinois

MOSES, WINFIELD C., Secy.,
Ajax Industrial Supplies, Inc.,
Ft. Wayne, Ind.

PERKINS, FRANCES,
Secretary of Labor,
Washington, D. C.

RICHARDS, JOHN H., JR., Chem. Engr.,
Director of Research,
Apex Alkali Products Company,
Philadelphia, Pa.

ROLSTON, G. E., Chf. Engr.,
Rome Cable Corporation,
Rome, N. Y.

RYLANDS, G. K., Gen'l Mgr.,
Rylands Brothers, Ltd.,
Warrington, England

SHACKELTON, DR. JOHN W.,
Plastics Division,
E. I. DuPont de Nemours Co.,
Wilmington, Del.

SPRUANCE, F. P., Vice-President,
American Chemical Paint Co.,
Ambler, Pa.

STICKNEY, F. S., Vice-President,
Little Falls Alloys, Inc.,
Paterson, N. J.

THURMAN, A. L., Ind. Engr. Div.,
General Electric Company,
Schenectady, N. Y.

WAHL, A. M.,
Mechanics Dept. Laboratory,
Westinghouse Elec. & Mfg. Co.,
East Pittsburgh, Pa.

WALDMAN, R. O.,
Chicago Steel & Wire Company,
San Francisco, Calif.

WEAN, R. J., Pres.,
Wean Engineering Co.,
Warren, Ohio

WEBB, E. H., Pres.,
Webb Wire Works,
New Brunswick, N. J.

WELLINGS, CAPTAIN A. J., U.S.N.,
Office of Procurement & Material,
Navy Department,
Washington, D. C.

WILLIAMS, ROBERT C., Chf. Chem.,
The Ironsides Co.,
Columbus, Ohio

ZAPP, A. R., Manager,
Firthaloy Division,
Firth-Sterling Steel Company,
McKeesport, Pa.